

AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A dustproof structure for a sleeve bearing, comprising:
 - an axial tube having a tubular body, said axial tube engaging a motor stator;
 - a sleeve bearing mounted in the axial tube, the sleeve bearing including an axial hole through which to extend a shaft of a motor rotor;
 - a dustproof cushion received in the axial tube and attached to an end surface of the sleeve bearing for preventing foreign dust from entering into a gap formed between an inner circumference of the axial tube and an outer circumference of the sleeve bearing, the dustproof cushion including an axial hole through which to extend the shaft of the motor rotor, said dustproof cushion further including an annular wall that projects upwardly from an inner periphery of the axial hole to ensure that the entire structure is relatively rigid and strong; and
 - at least one oil returning groove formed on a surface of the dustproof cushion facing the end surface of the sleeve bearing and adapted to re-lubricate an inner circumference of the axial hole of the sleeve bearing.
2. (Previously Presented) The dustproof structure for a sleeve bearing as defined in Claim 1, wherein the oil-returning groove is recessed on the surface of the dustproof cushion and radially extended.
3. (Canceled).
4. (Currently Amended) ~~The A~~ dustproof structure for a sleeve bearing ~~as defined in Claim 1,~~ wherein comprising:

an axial tube having a tubular body, said axial tube engaging a motor stator;
a sleeve bearing mounted in the axial tube, the sleeve bearing including an axial hole
through which to extend a shaft of a motor rotor; and
the a dustproof cushion includes received in the axial tube and attached to an end surface
of the sleeve bearing, said dustproof cushion including an axial hole through which to extend the
shaft of the motor rotor; said dustproof cushion
further including at least one oil-returning groove formed on a surface of the dustproof cushion
facing the end surface of the sleeve bearing, and a buffer space connected with an end of the oil-
returning grooves proximate the axial hole.

5. (Previously Presented) The dustproof structure for a sleeve bearing as defined in Claim 1, wherein the sleeve bearing includes an oil-returning groove on an end surface.

6. (Previously Presented) The dustproof structure for a sleeve bearing as defined in Claim 5, wherein the sleeve bearing includes two oil-returning grooves on two end surfaces, and the oil-returning grooves further connect to an oil-guiding groove longitudinally extended on an outer circumference of the sleeve bearing.

7. (Previously Presented) A dustproof structure for a sleeve bearing, comprising:

an axial tube having a tubular body;
a sleeve bearing mounted in the axial tube, the sleeve bearing including an axial hole through which to extend a shaft of a motor rotor; and
a dustproof cushion fittingly mounted in the axial tube, the dustproof cushion being further spaced a predetermined distance from an end surface of the sleeve bearing so that an oil-returning channel is formed between the end surface of the sleeve bearing and the dustproof cushion.

8. (Previously Presented) A dustproof structure for a sleeve bearing, comprising:

an axial tube having a tubular body;

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a sleeve bearing mounted in the axial tube, the sleeve bearing including an axial hole through which to extend a shaft of a motor rotor; and

a dustproof cushion integrally formed with the axial tube, the dustproof cushion being further spaced a predetermined distance from an end surface of the sleeve bearing so that an oil-returning channel is formed between the end surface of the sleeve bearing and the dustproof cushion.

9. (Currently Amended) ~~The~~ A dustproof structure for a sleeve bearing ~~as defined in Claim 1,~~ comprising:

an axial tube having a tubular body, said axial tube engaging a motor stator;

a sleeve bearing mounted in the axial tube, the sleeve bearing including an axial hole through which to extend a shaft of a motor rotor;

a dustproof cushion received in the axial tube and attached to an end surface of the sleeve bearing for preventing foreign dust from entering into a gap formed between an inner circumference of the axial tube and an outer circumference of the sleeve bearing, the dustproof cushion including an axial hole through which to extend the shaft of the motor rotor; and

at least one oil returning groove formed on a surface of the dustproof cushion facing the end surface of the sleeve bearing and adapted to re-lubricate an inner circumference of the axial hole of the sleeve bearing,

wherein the dustproof cushion includes an annular engaging wall and an engaging flange thereof; and the annular engaging wall projects upwardly from an outer periphery of the dustproof cushion while the engaging flange extends from a top portion of the annular engaging wall.

10. (Previously Presented) The dustproof structure for a sleeve bearing as defined in Claim 1, wherein the axial tube further includes an outer surface on which to engage the motor stator.

11. (Previously Presented) The dustproof structure for a sleeve bearing as defined in Claim 7, wherein the axial tube further includes an outer surface on which to engage a motor stator.

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12. (Previously Presented) The dustproof structure for a sleeve bearing as defined in Claim 8, wherein the axial tube further includes an outer surface on which to engage a motor stator.

13. (New) The dustproof structure for the sleeve bearing as defined in Claim 4, wherein the sleeve bearing includes an oil-returning groove on an end surface.

14. (New) The dustproof structure for the sleeve bearing as defined in claim 4, wherein the axial tube further includes an outer surface on which to engage the motor stator.